

## **New Policy and Guidance**



### **New Policy and Guidance**

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**AIR-140**

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### **New Policy and Guidance Overview**

- **Regulations**
- **Policy Documents**
- **Orders**
- **Advisory Circulars**
- **Notices of Proposed Rulemaking (NPRM)**

## New Policy and Guidance



### Regulations – Part 21

**Amendment No. 21-77 06/10/2003**

**Sec. 21.19** Changes requiring a new type certificate.

**Sec. 21.101** Designation of applicable regulations.

**Sec. 21.115** Applicable requirements.

**Amendment No. 21-84 11/17/2003**

**Sec. 21.197** Special flight permits.



### Regulations – Part 25

**Amendment No. 25-110 07/21/2003**

**Sec. 25.819** Lower deck service compartments (including galleys.)

**Amendment No. 25-111 09/02/2003**

**Sec. 25.856** Thermal/Acoustic Insulation materials.

**Sec. F25.1** Appendix F--Part I--Test Criteria and Procedures for Showing Compliance with Sec. 25.853 or Sec. 25.855.

**Sec. F25.6** Appendix F--Part VI--Test Method To Determine the Flammability and Flame Propagation Characteristics of Thermal/Acoustic Insulation Materials

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### Regulations – Part 25 (cont.)

**Amendment No. 25-111 09/02/2003**

**Sec. F25.7 Appendix F--Part VII--Test Method To Determine the Burnthrough Resistance of Thermal/Acoustic Insulation Materials**

**Amendment No. 25-112 09/04/2003**

**Sec. 25.613 Material strength properties and material design values.**



### Regulations – Part 25 (cont.)

**Amendment No. 25-113 04/15/2004**

**Sec. 25.869 Fire protection: systems.**

**Sec. 25.1353 Electrical equipment and installations.**

**Sec. 25.1431 Electronic equipment.**

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### Policy - AIR

DATE	POLICY #	SUBJECT
Sep 8, 2003	PS-AIR100-9/8/2003	Classification of Design Changes to TSO-C39b, TSO-C127 and TSO-C127a articles
Sep 8, 2003	PS-AIR100-9/8/2003-127	Standard Content and Format for the Installation Instructions and Limitations required by TSO-C127a
Jul 14, 2003	PS-AIR100-2003-ARP5526	Using SAE ARP5526, Aircraft Seat Design Guidance and Clarifications, in Seat Design Approvals
Oct 28, 2003	PS-AIR100-10/28/03	Part 21, Subpart G, New Engine Production with Used Parts



### Policy – ACE

DATE	POLICY #	SUBJECT
Mar 15, 2003	PS-ACE100-2002-004	Final Policy Statement Diesel Engine Installations
Sep 15, 2003	PS-ACE100-2002-006	Material Qualification and Equivalency for Polymer Matrix Composite Material Systems
Feb 23, 2004	PS-ACE100-2002-005	Circuit Breakers and Fuses
Feb 23, 2004	PS-ACE100-2004-10023	Flammability of Electrical Wire Used in Part 23 Aircraft - Proposed
Aug 25, 2003	PS-ACE100-2002-008	Propeller testing Vd Versus VNE
May 30, 2003	PS-ACE100-2002-003	Standardization of Application of 14 CFR Part 23, § 23.1309 Regarding Hazardous Misleading Heading Information for Attitude-Heading Reference Systems (AHRS)

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### Policy - ANE

DATE	POLICY #	SUBJECT
Jan 21, 2004	PS- ANE-2002-33.15-RO	Policy for 14 CFR § 33.15, Materials
Oct 30, 2003	PS- ANE-2002-35.15-RO	Propeller Safety Analysis
Mar 12, 2003	PS- ANE-2001-35.31-RO	Policy for Bird Strike, Lightning, and Centrifugal Load testing for Composite Propeller Blades and Spinners
Mar 12, 2003	PS-ANE-2001-35.13-RO	Policy for Propeller-Level Failure Effects



### Policy – ANM

DATE	POLICY #	SUBJECT
Oct 2, 2003	PS- ANM-03-115-28	Use of Surrogate Parts When Evaluating Seatbacks and Seatback Mounted Accessories
Dec 4, 2003	PS- ANM-03-117-58	Certification of Flight Data Recording Systems on 14 CFR Part 25 Aircraft
Jul 24, 2003	PS-ANM100-2003-117-10	Identification of Flight Critical System Components
Jul 24, 2003	PS-ANM100-2003-111-07	Testing of Flightcrew Oxygen Masks for Transport Category Airplanes
Apr 24, 2003	PS-ANM-03-111-18	Installation of Transport Category Airplane Flightdeck Liquid Crystal Displays

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### Policy – ANM (cont.)

DATE	POLICY #	SUBJECT
Mar 13, 2003	PS-ANM-2003-111-12	Guidance for Demonstrating Compliance with the Proposed 14 CFR 121.346, "ATC Transponder Operation"
Jan 15, 2004	PS-ANM-03-117-09	Guidance for Determination of System, Hardware, and Software Development Assurance Levels on Transport Category Airplanes
May 30, 2003	PS-ANM-02-113-016	Guidance for the Certification of Honeywell Primus Epic Systems
Feb 7, 2003	PS-ANM-01-03	Factors to Consider When Reviewing an Applicant's Proposed Human Factors Methods of Compliance for Flight Deck Certification



### Orders

DATE	ORDER	SUBJECT
Jul 7, 2003	1110.137	Aircraft Weight and Balance Control Program Aviation Rulemaking Committee
Jul 14, 2003	8100.8B	Designee Management Handbook (Change 1)
Apr 25, 2003	8110.48	How to Establish the Certification Basis for Changed Aeronautical Products
Jun 2, 2003	8110.49	Software Approval Guidelines
Nov 18, 2003	8110.51	Acceptability of Previously Approved Certification Compliance Data from Foreign Sources
Jun 20, 2003	8130-2E CHG 1	Airworthiness Certification of Aircraft and Related Products

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#### Advisory Circulars

DATE	AC	TITLE
Dec 22, 2003	20-138A	Airworthiness Approval of Global Navigation Satellite System (GNSS) Equipment
Feb 25, 2003	20-145	Guidance for Integrated Modular Avionics (IMA) that Implement TSO-C153 Authorized Hardware Elements
May 19, 2003	20-146	Methodology for Dynamic Seat Certification by Analysis for Use in Part 23, 25, 27 and 29 Aircraft and Rotorcraft
Feb 02, 2004	20-147	Turbojet, Turboprop, and Turbofan Engine Induction System Icing and Ice Ingestion
Jul 02, 2003	21-19A	Installation of Used Aircraft Engines in New Production Aircraft
Apr 28, 2003	21.101-1 CHG 1	Establishing the Certification Basis of Changed Aeronautical Products



#### Advisory Circulars

DATE	AC	TITLE
Aug 14, 2003	23-8B	Flight Test Guide for Certification of Part 23 Airplanes
Dec 30, 2003	23-15A	Small Airplane Certification Compliance Program
Sep 19, 2003	23-20	Acceptance Guidance on Material Procurement and Process Specifications for Polymer Matrix Composite Systems
Aug 6, 2003	25.613-1	Material Strength Properties and Material Design Values
Aug 13, 2003	33.28-2	Guidance Material for 14 CFR § 33.28, Reciprocating Engines, Electrical and Electronic Engine Control Systems

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### Advisory Circulars

DATE	AC	TITLE
Jul 23, 2003	33.74/92-1A	Turbine Engine Continued Rotation and Rotor Locking
Nov 03, 2003	35.4-1	Propeller Instructions for Continued Airworthiness
Sep 08, 2003	39-8	Continued Airworthiness Assessments of Powerplant and Auxiliary Power Unit Installations of Transport Category Aircraft
Feb 17, 2004	43-210	Standardized Procedures for Requesting Field Approval of Data, Major Alterations and Repairs



### Advisory Circulars

DATE	AC	TITLE
Apr 1, 2003	61-134	General Aviation Controlled Flight into Terrain Awareness
Jun 25, 2003	91-75	Attitude Indicators
Mar 17, 2003	120-76A	Guidelines for the Certification, Airworthiness, and Operational Approval of Electronic Flight Bag Computing Devices
Jan 8, 2004	120-80	In-Flight Fires
Jul 23, 2003	121-24C	Passenger Safety Information Briefing and Briefing Cards



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### NPRMs

- ➔ **Establishment of Organization Designation Authorization Procedures**
  - January 21, 2004 Federal Register
  - 14 CFR Part 21, 131, 135, 145, and 183
  - Comments by May 20, 2004
- ➔ **Noise Stringency Increase for Single-Engine Propeller-Driven Small Airplanes**
  - February 11, 2004 Federal Register
  - 14 CFR Part 36
  - Comments by June 10, 2004



### Draft Policy

- ➔ **What does the FAA mean by “Draft Policy”?**
  - FAA publishes a Notice of Availability in the Federal Register and points to the web site where the policy can be found (in the Regulatory and Guidance Library).
- ➔ **Is the applicant required to follow “Draft Policy”?**
  - As with formally released FAA policy, the applicant is not required to follow draft FAA policy; however, that applicant is required to address the core issue and safety concern(s) raised by that policy, and to propose a means to deal with the same.

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### Draft Policy (cont.)

- ➔ **What if the applicant chooses not to follow “Draft Policy”?**
  - A Method of Compliance Issue Paper is the appropriate means to address the item(s) of concern.
- ➔ **Why is the FAA concerned about the applicant following “Draft Policy”?**
  - Not applying or considering draft policy would mean that the FAA is ignoring the best current understanding of how a regulation should be applied.
  - Accordingly, failure to apply a draft policy (or otherwise consider and address its concerns) would not be in best interest of the aviation industry or the public.



### New Policy and Guidance Summary

- ➔ **Documents available in Regulatory and Guidance Library**
- ➔ **RGL accessible through DER website**
- ➔ **New documents in draft and published regularly**
- ➔ **Some have HIGH potential impact**